

# **NOBLE METAL IN-SITU SAMPLING METHOD AND APPARATUS**

## **Abstract of Disclosure**

An electric discharge machining sampling apparatus for obtaining samples from a surface of metal components provided. In an exemplary embodiment, the sampling apparatus is operable underwater and includes a base plate and an electrode assembly movably coupled to the base plate. The electrode assembly includes an electric discharge electrode and an electrode holder with the electrode including at least one bore extending therethrough. The sampling apparatus also includes a particle collection assembly operatively coupled to the electrode. Each electrode bore is in flow communication with the particle collection assembly.